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81.00
61.00
<0.000001
Liqu

STRUCTURE ACTIVITY TEAM REPORT 30 October 1998 CBI

CASE NUMBER: -P99-0044

RELATED CASES:

CONCLUSIONS/DISCUSSIONS

TYPE OF CONCERN: HEALTH ECOTOX

LEVEL: 1-2 3

KEYWORDS: AQUATOX (A,C), DEVEL, SENS-S, IRR, BLOOD

SUMMARY OF ASSESSMENT:

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with 81% <1000 and 68% <500;
FATE:
liquid,
log K_{ou} = 2.4 (SRC);
S < 1.0 \text{ mg/L} @ 20 °C (ICB), < 600 \text{ mg/L} (EAB);
vp < 1.0E-6 mm Hg or torr @ 25 °C;</pre>
bp >400 °C (P);
H < 1.0E-8;
log K_{oc} = 1.4 (P);
log fish BCF = 0.49 (P);
POTW removal = 0%;
time for complete ultimate aerobic biodegradation = months;
sorption to soils and sediments = low;
indirect photolysis will be rapid;
PBT Potential: PJB1TD
*CEB FATE:
            migration to ground water = rapid;
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HEALTH: Absorption moderate all routes based on analogs;

concern for developmental toxicity, sensitization, irritation to membranes, and blood toxicity from the LMW phenols;

low to moderate concern.

*CEB HEALTH: Exposures to humans: inhalation, dermal, ingestion, and drinking water; XB: Testing desired.

ECOTOX: Predicted (P) and measured (M) toxicity values in mg/L (ppm) are:

fish 96-h LC50 0.160 P daphnid 48-h LC50 0.150 P green algal 96-h EC50 0.820 P == 0.020 P fish 30-d ChV = 0.020 P fish 90-d ChV < 0.020 P daphnid ChV = algal ChV 0.390 P

Predictions are based on SAR-nearest analog method for polyphenols; SAR chemical class = phenols-poly; with 81% <1000 and 68% <500; pH7; effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <180.0 mg/L

as CaCO3; and TOC <2.0 mg/L;

high concern;

assessment factor = 10.0 concern concentration = 0.002

*CEB ECOTOX: All releases to water; XB: Testing desired.

SAT Co-chairperson: Vince Nabholz, 260-1271

NCSAB SAT REP	ORT					CBI? (Y	/N):	
PMN:	P-9	99-0044		CAS RN:	I.			209810-57-
Chemical Name:						Analog	e•	209010-37-
Formaldehyde, polymer with phenol and 1,			.,3-propane	etriol, methylate		, maiog.		
						Product	tion Volum	·••
Structure:		0	0				**************************************	. *
				O P) 	-	
From STN/CAS or	n-line: no re							
From STN/CAS or The PMN substand	n-line: no re ce is mixed nd. This res	eferences with sand and then sin/sand is used to fo	reacted wit					
From STN/CAS or The PMN substand	n-line: no re ce is mixed nd. This res	eferences with sand and then	reacted wit					
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DATE 11-3-98

ATTENDEES	SIGNATURE	
Paul Bickart Diana Darling Rich Engler Greg Fritz Fred Metz Daniel Lin	Thural Thural	
ENVIRONMENTAL FATE		-
Bob Boethling David Lynch Gary Thom	gern	-
HEALTH		· ~
Katherine Anitole Michael Cimino Leonard Keifer David Lai Jim Murphy Deborah Norris Ronald Ward Yin Tak Woo	Jonas Charles Jin the wor	
ENVIRONMENTAL EFFECTS		-
Gordon Cash Vince Nabholz Maggie Wilson	Mordon Cest	
SAT CHAIRPERSON/OTHER		
Rebecca Jones Leonard Keifer Vince Nabholz	bekreft	· -
Robert Morcock		